

## AMENDMENT

### IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently amended) A process for the preparation of a plurality of inorganic materials in the form of a library for testing their catalytic activity, comprising the process steps of:

(a) initially introducing at least one salt solution containing at least one substance into a vessel and mixing at least one solid with the at least one salt solution,

(b) adding at least one further salt solution containing at least one substance, thereby precipitating out a resulting new inorganic substance because of its lower solubility product, and at least one further substance remains in the solution, to form a suspension and adding at least one further salt solution containing at least one substance or a solvent,

(c) freezing or solidifying the suspension obtained by cooling, such that a uniform distribution of solid and salt solution being retained in the suspension and preventing sedimentation of solid,

(d) subliming the solvent by application of a vacuum,

(e) drying the suspension and heat treating the solid, ~~and~~

(f) identifying the solid obtained or the material obtained in respect of at least one of its morphology, size, composition, and properties, and

(g) repeating steps (a) to (f) in order to obtain a plurality of material samples in the form of a library, and

wherein the process steps are carried out at least partly in parallel using at least two suitable vessels arranged in parallel such that they are immersed in a cooling medium or a cooling medium flows around them.

2–5. (Canceled)

6. (Currently amended) A device for carrying out the process according to ~~claim 2~~ claim 1 in parallel, comprising at least two suitable vessels are arranged in parallel such that they are immersed in a cooling medium or a cooling medium flows around them.

7-10. (Canceled)

11. (New) A process for the preparation of a plurality of inorganic materials in the form of a library for testing for their catalytic activity, wherein at least one salt solution containing at least one substance is initially introduced into a vessel and is brought together with at least one solid and these are mixed with one another, at least one further salt solution containing at least one substance is added, as a result of which an inorganic substance precipitates out because of its lower solubility product, and at least one further substance remains in the solution, at least one further salt solution containing at least one substance, or a further solvent is added, the suspension obtained is frozen or solidified by cooling, the uniform distribution of solid and salt solution being retained in the suspension and a sedimentation of the solid being prevented, whereby at least two suitable vessels are arranged in parallel such that they are immersed in a cooling medium or a cooling medium flows around them, the solvent is sublimed by application of a vacuum, the suspension being dried, the solid obtained is heat-treated, and the solid obtained or the material obtained is characterized in respect of its morphology, size, composition, properties or a combination of these things, and these process steps are carried out at least partly in parallel.

12. (New) A device for carrying out a process for the preparation of a plurality of inorganic materials in the form of a library for testing their catalytic activity, which comprises a plurality of vessels in the form of a library, a cooling bath, a feed and removal line, a motor or a base where the vessels have a double-walled jacket, a resubliming chamber and a vacuum pump, wherein at least one salt solution containing at least one substance is initially introduced into the vessels, at least one further salt solution containing at least one substance is added, as a result of which an inorganic substance precipitates out because of its lower solubility product, and at least one further substance remains in the solution, the vessels containing obtained suspension are immersed with the lower part in the cooling bath which contains a cold liquid, wherein the suspension is frozen under rotating with the motor, or a cold liquid is passed through the double-walled jacket and the vessels are shaken or moved by the base, the uniform distribution of solid

and salt solution being retained in the suspension, the suspension is sublimed by application of the vacuum pump connected with the vessels or the vacuum pump and the resublimation chamber and is dried, and these process steps are carried out at least partly in parallel.